

Beratung und Vertrieb

Fon + 49 (0) 40 45 067 0

**dianova**

Fax + 49 (0) 40 450 67 490

info@dianova.de

Warburgstr. 45 • 20354 Hamburg

www.dianova.de

**Product:** Rabbit Monoclonal Antibody  
Biotin Anti-Human IgG4 Rabbit Monoclonal Antibody,  
Clone RM120

**Catalog No.:** 31-1022-02

**Lot No.:**

**Clone** RM120

**Specificity** This antibody reacts to the heavy chain of human IgG4.  
No cross reactivity with human IgG1, IgG2, IgG3, IgM,  
IgA, IgD, IgE, mouse IgG, rat IgG, or goat IgG.

**Application:** ELISA, Western Blot, Immunohistochemistry,  
Immunocytochemistry, Flow Cytometry.

**Immunogen:** Peptide corresponding to the hinge region of Human  
IgG4

**Purity:** Protein A affinity purified from an animal origin-free  
culture supernatant

**Size:** 50 µg

**Concentration:** 1.0 mg/mL

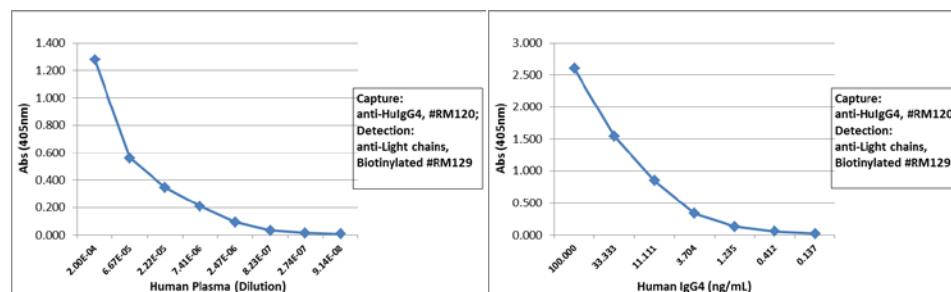
**Buffer:** 50% Glycerol/PBS with 1% BSA and 0.09% sodium azide

**Usage:** ELISA: 50ng/well – 200ng/well (for Capture);  
0.05µg/mL – 0.2µg/mL (for Detection);  
WB: 0.5µg/mL – 2µg/mL;  
IHC, ICC: 1µg/mL – 10µg/mL;

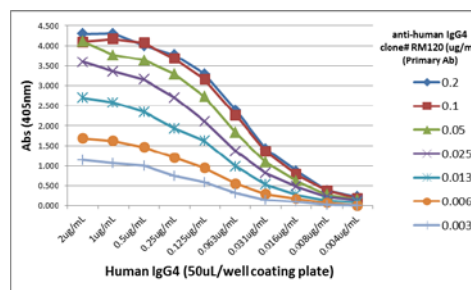
**Storage and Stability:** Stable for 1 Year at -20.0°C from date of receipt.

**Country of Origin:** U.S.A.

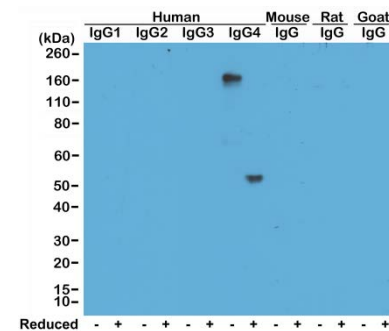
**Intended Use:** For Research Use Only Not for Diagnostic or  
Therapeutic Use



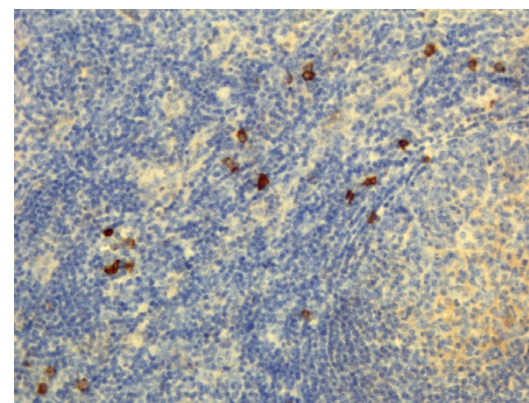
Sandwich ELISA using RM120 as the capture antibody, and Biotinylated anti-human light chains ( $\kappa+\lambda$ ) antibody RM129 as the detection antibody, followed by an AP conjugated streptavidin.



A titer ELISA using RM120. The plate was coated with different amounts of human IgG4. A serial dilution of RM120 was used as the primary antibody. An alkaline phosphatase conjugated anti-rabbit IgG as the secondary antibody.



Western Blot of human, mouse, rat, and goat IgG shows RM120 reacts to human IgG4, in both whole molecule (~150kDa, non-reduced) and heavy chain (~50kDa, reduced) forms. No cross reactivity with other isotypes of human IgG, or mouse, rat, or goat IgG.



Immunohistochemistry of Human Lymphoid Tissue using Anti-Human IgG4 antibody RM120.